

NAME

`wcsnlen` – determine the length of a fixed-size wide-character string

SYNOPSIS

```
#include <wchar.h>
```

```
size_t wcsnlen(const wchar_t *s, size_t maxlen);
```

Feature Test Macro Requirements for glibc (see [feature_test_macros\(7\)](#)):

`wcsnlen()`:

Since glibc 2.10:

```
_POSIX_C_SOURCE >= 200809L
```

Before glibc 2.10:

```
_GNU_SOURCE
```

DESCRIPTION

The `wcsnlen()` function is the wide-character equivalent of the `strnlen(3)` function. It returns the number of wide-characters in the string pointed to by `s`, not including the terminating null wide character (`L'\0'`), but at most `maxlen` wide characters (note: this parameter is not a byte count). In doing this, `wcsnlen()` looks at only the first `maxlen` wide characters at `s` and never beyond `s+maxlen`.

RETURN VALUE

The `wcsnlen()` function returns `wcslen(s)`, if that is less than `maxlen`, or `maxlen` if there is no null wide character among the first `maxlen` wide characters pointed to by `s`.

VERSIONS

The `wcsnlen()` function is provided in glibc since version 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
<code>wcsnlen()</code>	Thread safety	MT-Safe

CONFORMING TO

POSIX.1-2008.

SEE ALSO

[strnlen\(3\)](#), [wcslen\(3\)](#)

COLOPHON

This page is part of release 5.05 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.